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FILE 'BIOTECHDS' ENTERED AT 14:24:58 ON 31 OCT 2000
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FILE 'CANCERLIT' ENTERED AT 14:24:58 ON 31 OCT 2000

FILE 'TOXLINE' ENTERED AT 14:24:58 ON 31 OCT 2000

FILE 'AGRICOLA' ENTERED AT 14:24:58 ON 31 OCT 2000

FILE 'SCISEARCH' ENTERED AT 14:24:58 ON 31 OCT 2000
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=> s polyoxyethylene 9s) 660

UNMATCHED RIGHT PARENTHESIS '9S) 660'
The number of right parentheses in a query must be equal to the
number of left parentheses.

=> s polyoxyethylene (s) 660

L6 16 POLYOXYETHYLENE (S) 660

=> s isopropyl (s) myristate

L7 2457 ISOPROPYL (S) MYRISTATE

=> s l6 and l7

L8 1 L6 AND L7

=> d l8

L8 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2000 ACS
AN 2000:427973 CAPLUS
DN 133:63965
TI Aqueous compositions containing .beta.-carotene
IN Berner, Josef Frantzits
PA Sanochemia Pharmazeutika A.-G., Austria
SO Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2000178187	A2	20000627	JP 1999-338225	19991129
	EP 1016404	A1	20000705	EP 1999-890013	19990122
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
PRAI	AT 1998-2092	19981215			

=> d his

(FILE 'HOME' ENTERED AT 14:00:18 ON 31 OCT 2000)

FILE 'REGISTRY' ENTERED AT 14:00:27 ON 31 OCT 2000
L1 0 S POLYOXYETHYLENE-660-HYDROXYSTEARATE

FILE 'MEDLINE, CAPLUS, BIOSIS, BIOTECHDS, EMBASE, CANCERLIT, TOXLINE, AGRICOLA, SCISEARCH' ENTERED AT 14:01:43 ON 31 OCT 2000
L2 16 S POLYOXYETHYLENE (S) 660

FILE 'MEDLINE, CAPLUS, BIOSIS, BIOTECHDS, EMBASE, CANCERLIT, TOXLINE, AGRICOLA, SCISEARCH' ENTERED AT 14:22:36 ON 31 OCT 2000
L3 2573 S POLYETHYLENE (S) 660 OR ISOPROPYL (S) MYRISTATE?
L4 116 S POLYETHYLENE (S) 660

FILE 'REGISTRY' ENTERED AT 14:24:24 ON 31 OCT 2000
L5 0 S POLYOXYETHYLEN (S) 660

FILE 'MEDLINE, CAPLUS, BIOSIS, BIOTECHDS, EMBASE, CANCERLIT, TOXLINE, AGRICOLA, SCISEARCH' ENTERED AT 14:24:58 ON 31 OCT 2000
L6 16 S POLYOXYETHYLENE (S) 660
L7 2457 S ISOPROPYL (S) MYRISTATE
L8 1 S L6 AND L7

=> dup rem l6

PROCESSING COMPLETED FOR L6
L9 13 DUP REM L6 (3 DUPLICATES REMOVED)

=> d l6 abs ibib 1-13

L6 ANSWER 1 OF 16 CAPLUS COPYRIGHT 2000 ACS
AB The present invention relates to a stable aq. prepn. contg. .beta.-carotene, esp. for veterinary uses and a method for prepg. the same. An aq. prepn. of .beta.-carotene for non-oral administration is obtained by (1) prepg. a transparent soln. contg. **polyoxyethylene -660**-hydroxystearate 10-40, iso-Pr myristate 5-20, and water for injection q.s. to 100 %, (2) solubilizing .beta.-carotene to the above soln. to the final concn. of 0.1-10 % at 100-140.degree., (3) adding antioxidants and preservatives, and (4) filter-sterilization of the soln. and packaging it.

ACCESSION NUMBER: 2000:427973 CAPLUS
DOCUMENT NUMBER: 133:63965
TITLE: Aqueous compositions containing .beta.-carotene
INVENTOR(S): Berner, Josef Frantzits
PATENT ASSIGNEE(S): Sanochemia Pharmazeutika A.-G., Austria
SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000178187	A2	20000627	JP 1999-338225	19991129
EP 1016404	A1	20000705	EP 1999-890013	19990122
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
PRIORITY APPLN. INFO.:			AT 1998-2092	19981215

L6 ANSWER 2 OF 16 CAPLUS COPYRIGHT 2000 ACS
AB An i.v. sonog. contrast medium contains a foamed prepn. based on an aq. soln. of **polyoxyethylene-660** 12-hydroxystearate and an anionic phospholipid for use as a diagnostic reagent in imaging procedures. Fine bubbles of air or another physiol. compatible gas are incorporated into the soln. prior to use. The medium passes through the lungs and capillaries with a minimal risk of embolism, gives reproducible results, can be prepd. easily and economically in sterile and pyrogen-free

form, is stable during storage, and provides good contrast with surrounding tissues. Thus, dimyristoylphosphatidylglycerol 1.00 was dissolved in molten **polyoxyethylene-660** 12-hydroxystearate 3.00 at 65-70.degree., NaCl 0.90 g and distd. water were stirred in to a final vol. of 100.00 mL, and the pH was adjusted to 7.0-8.0. Air bubbles were incorporated by pumping this soln. between 2 syringes. The soln. was used for echocardiog. investigations in dogs.

ACCESSION NUMBER: 1999:511057 CAPLUS
DOCUMENT NUMBER: 131:161632
TITLE: Contrast medium based on **polyoxyethylene-660** 12-hydroxystearate and anionic phospholipids
INVENTOR(S): Gieselmann, Thomas
PATENT ASSIGNEE(S): Germany
SOURCE: PCT Int. Appl., 24 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9939745	A1	19990812	WO 1999-EP649	19990202
W: AU, CA, JP, NO, US				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
DE 19805012	A1	19990812	DE 1998-19805012	19980207
AU 9925208	A1	19990823	AU 1999-25208	19990202

PRIORITY APPLN. INFO.: DE 1998-19805012 19980207
WO 1999-EP649 19990202

REFERENCE COUNT: 10
REFERENCE(S):
(1) Alliance Pharma; WO 9626746 A 1996
(2) Basf Ag; PHARMA INGREDIENTS, WWW basf de/basf/html/e/produkte/gebiete/mer/pharma/cremol htm 1999, P1
(4) Buckingham, L; INT J CANCER 1995, V62, P436 CAPLUS
(6) Coon, J; CANCER RESEARCH 1991, V51, P897 CAPLUS
(10) Von Corswant, C; JOURNAL OF PHARMACEUTICAL SCIENCES 1998, V87(2), P200 CAPLUS
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 3 OF 16 CAPLUS COPYRIGHT 2000 ACS
AB The title anhyd. prepn., which can be reconstituted with water to an emulsion for i.v. administration, contains .gtoreq.1 active agent, .gtoreq.1 cryoprotectant and/or structure-providing agent, .gtoreq.1 hydrophilic emulsifying agent (e.g. ethoxylated triglycerides, polyoxyethylene esters of hydroxy fatty acids), and acetylated monoglycerides preferably contg. double bonds. Thus, a soln. of **polyoxyethylene-660** 12-hydroxystearate 12.0 and diacetylated monoglyceride 18.0 in EtOH 30.0 g at 30.degree. was emulsified with a soln. of citric acid monohydrate 3.42, tri-Na citrate dihydrate 1.57, and lactose 60.0 in water 475 g at 80.degree. under vacuum and then mixed with a soln. of 163.9 mg PGE1-.alpha.-cyclodextrin complex in 5 mL water to a final vol. of 500 mL. This emulsion was divided into 2-mL portions and lyophilized. The particle size distributions in the emulsion before and after reconstitution were very similar.

ACCESSION NUMBER: 1994:638408 CAPLUS
DOCUMENT NUMBER: 121:238408
TITLE: Lyophilized, active agent-containing emulsion for intravenous administration
INVENTOR(S): Schuetz, Andreas; Mika, Hans Juergen; Sievert, Frank;

Emschermann, Bernhard
PATENT ASSIGNEE(S): Schwarz Pharma AG, Germany
SOURCE: Ger., 6 pp.
CODEN: GWXXAW
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 4244122	C1	19940601	DE 1992-4244122	19921224
CA 2152186	AA	19940707	CA 1993-2152186	19931210
WO 9414418	A1	19940707	WO 1993-DE1188	19931210
W: CA, JP, KR, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
EP 675709	A1	19951011	EP 1994-901750	19931210
EP 675709	B1	19990818		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
JP 08503956	T2	19960430	JP 1994-514670	19931210
JP 2944756	B2	19990906		
AT 183385	E	19990915	AT 1994-901750	19931210
ES 2136724	T3	19991201	ES 1994-901750	19931210
CN 1092646	A	19940928	CN 1993-121082	19931224
CN 1056746	B	20000927		
US 5612058	A	19970318	US 1995-491862	19950623
US 5882684	A	19990316	US 1997-815693	19970312
PRIORITY APPLN. INFO.:			DE 1992-4244122	19921224
			WO 1993-DE1188	19931210
			US 1995-491862	19950623

L6 ANSWER 4 OF 16 CAPLUS COPYRIGHT 2000 ACS
AB The title compns. with good weatherability contain vinyl chloride polymers
100, polyoxyalkylene ether derivs. 0.4-2.5 (as oxyalkylene), and Cl-contg.
benzotriazole UV absorbers 0.05-0.5 part. Thus, Geon 103EP 100, di-2-ethylhexyl phthalate 45, tricresyl phosphate 5, Epikote 828 1, N,N'-ethylenebisstearylamide 0.5, Ba stearate 0.3, Zn stearate 0.3, a Ba-Zn stabilizer 1, **polyoxyethylene** nonylphenyl ether (66.6% oxyalkylene content, mol. wt. **660**) 0.8, sorbitan monostearate 1.2, and 2-(2-hydroxy-3-tert-butyl-5-methylphenyl)-5-chlorobenzotriazole 0.05 part were roll kneaded to obtain a 0.1-mm film with small water droplets and no discoloration after 7 mo in actual outdoor use.
ACCESSION NUMBER: 1993:473899 CAPLUS
DOCUMENT NUMBER: 119:73899
TITLE: Antifogging vinyl chloride polymer compositions for agricultural greenhouses
INVENTOR(S): Furuya, Hironobu
PATENT ASSIGNEE(S): Nippon Oil and Fats Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 04293949	A2	19921019	JP 1991-81210	19910322

L6 ANSWER 5 OF 16 CAPLUS COPYRIGHT 2000 ACS
AB An alc.-free eye drop soln. contains primycin 0.02-0.1, 2-pyrrolidone 15.0-25.0, **polyoxyethylene-660** hydroxystearate

12.0-25.0, polyvinylpyrrolidone 1.0-5.0, and distd. water to 100.0%.

ACCESSION NUMBER: 1991:589799 CAPLUS
DOCUMENT NUMBER: 115:189799
TITLE: Eye drops containing primycin
INVENTOR(S): Szabo, Anna Z.
PATENT ASSIGNEE(S): Chinoin Gyogyszer es Vegyeszeti Termekek Gyara Rt., Hung.
SOURCE: PCT Int. Appl., 11 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9112008	A1	19910822	WO 1991-HU6	19910208
W: AU, CA, FI, JP, KR, NO, PL, SU, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, NL, SE				
HU 57047	A2	19911128	HU 1990-808	19900215
HU 207222	B	19930329		
CA 2058949	AA	19910816	CA 1991-2058949	19910208
AU 9172100	A1	19910903	AU 1991-72100	19910208
EP 474800	A1	19920318	EP 1991-903310	19910208
EP 474800	B1	19940112		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
AT 99947	E	19940115	AT 1991-903310	19910208
ES 2062764	T3	19941216	ES 1991-903310	19910208
CN 1054718	A	19910925	CN 1991-101155	19910215
NO 9200425	A	19920131	NO 1992-425	19920131
PRIORITY APPLN. INFO.:			HU 1990-808	19900215
			EP 1991-903310	19910208
			WO 1991-HU6	19910208

L6 ANSWER 6 OF 16 CAPLUS COPYRIGHT 2000 ACS
AB Studies of the in vitro hemolytic activity of Na deoxycholate (I) and Solutol HS 15 (**polyoxyethylene-660**-12-hydroxystearate) (II), components employed for the solubilization of drugs for i.v. application by mixed micelle formation, revealed a pronounced hemolytic activity of the former and only a weak hemolysis (i.e. good compatibility) of the latter. Mixts. of I and II revealed a decrease in I hemolytic activity by II in a concn.-dependent manner, a result of the mixed micelle formation.

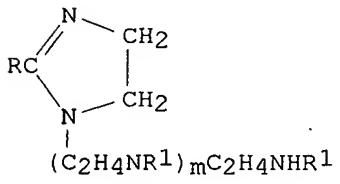
ACCESSION NUMBER: 1991:214346 CAPLUS
DOCUMENT NUMBER: 114:214346
TITLE: Hemolytic activity of mixed micellar solutions of Solutol HS 15 and sodium deoxycholate
AUTHOR(S): Kraus, Christian; Mehnert, Wolfgang; Froemming, Karl Heinz
CORPORATE SOURCE: Inst. Pharm., Freie Univ. Berlin, Berlin, W-1000/33, Fed. Rep. Ger.
SOURCE: Acta Pharm. Technol. (1990), 36(4), 221-5
CODEN: APTEDD; ISSN: 0340-3157
DOCUMENT TYPE: Journal
LANGUAGE: English

L6 ANSWER 7 OF 16 CAPLUS COPYRIGHT 2000 ACS
AB The solubilization capacity of mixed micelles (MM) of Solutol HS 15 (**polyoxyethylene-660**-12-hydroxystearate)(I) and Na deoxycholate (II) for weakly sol. drugs for i.v. application was studied with diazepam (III) and by common physicochem. methods. Thus, mixts. of I and II exhibited a distinct solubilizing capacity for III, whereby this

extent of solubilization was not dependent upon the additive solubilization of III in either pure I or II indicating MM formation. Micellization demonstrated an exothermic process, and UV absorption expts.
and x-ray diffraction further confirmed the formation of MM. Photon-correlation spectroscopy indicated a mean MM diam. of 10.0 nm, with
a polydispersity of .OMEGA. 5.0 nm. No indications of liq. crystal formation were seen.

ACCESSION NUMBER: 1991:214325 CAPLUS
DOCUMENT NUMBER: 114:214325
TITLE: Physicochemical properties of the mixed micellar system Solutol HS 15 and sodium deoxycholate
AUTHOR(S): Froemming, Karl Heinz; Kraus, Christian; Mehnert, Wolfgang
CORPORATE SOURCE: Inst. Pharm., Freie Univ. Berlin, Berlin, W-1000/33, Fed. Rep. Ger.
SOURCE: Acta Pharm. Technol. (1990), 36(4), 214-20
CODEN: APTEDD; ISSN: 0340-3157
DOCUMENT TYPE: Journal
LANGUAGE: English

L6 ANSWER 8 OF 16 CAPLUS COPYRIGHT 2000 ACS
GI



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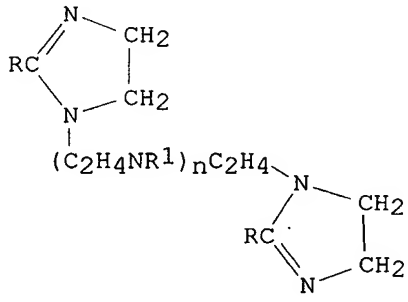


II

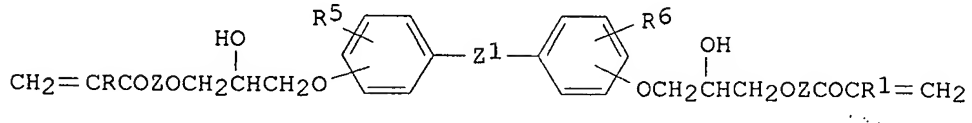
AB Magnetic powder is immersed in an aq. or org. solvent soln. or a suspension of a polyalkylene-polyamine (I and/or II; R = C11-21 alkyl or alkenyl; R1 = H or OCR; m .ltoreq.3; n .ltoreq.2), filtered, and dried; or
it is mixed into a painting mixt. A mixt. of oleic acid 282 and tetraethylenepentamine 189 parts was heated at 230.degree. for 20 h to remove H2O from I 435 parts. .gamma.-Fe2O3 contg. Co (coercive force 600 Oe, av. length 0.4 .mu., and aspect ratio 10) 100, CH2:CHClCH2:CHOAc copolymer 10, polyurethane 20, I 3, and PhMe and MeCOEt 100 parts each were mixed by ball-milling, painted over a polyester film in a magnetic field, and dried to 6-.mu. thickness. The coercive force was 640 Oe, remanence 1420 G, magnetic satn. 1732 G, squareness ratio 0.82, and orientation ratio 2.1, compared with **660**, 1120, 1493, 0.75, and 1.8, resp., with Gafac RS-610 (**polyoxyethylene** alkylphenyl ether phosphate).

ACCESSION NUMBER: 1987:432061 CAPLUS
DOCUMENT NUMBER: 107:32061
TITLE: Surface-coating agents for magnetic powder to give high dispersibility
INVENTOR(S): Moriguchi, Isao; Nakamura, Yoshinobu
PATENT ASSIGNEE(S): Toho Chemical Industry Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 61183124	A2	19860815	JP 1985-20107	19850206

L6 ANSWER 9 OF 16 CAPLUS COPYRIGHT 2000 ACS
GI



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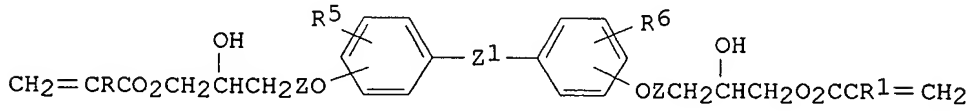

II

AB The title agents have the general structure I or II, where Z = single bond or (CH2CHR2O)x(CH2CHR3O)y(CH2CHR4O)z, R-R4 = H, Me, or Et, x, y, and z = 0-25 (x + y + z = 5-25), a part of the polyalkylene ether segments are derived from at least (x + y + z)/2 mol ethylene oxide, Z1 = O, NH, CH2, SO2, C6H4, C6H10, CMe2, or a direct bond, and R5 and R6 = H, Me, Et, or halo. I (or their hydrogenated or polymeric derivs.) are used on synthetic fibers. Thus, Tetron crepe (75 g/m2) was scoured in 5% NaOH at 100.degree. for 30 min (7% wt. loss), soaked in a soln. contg. 2% bisphenol A diglycidyl ether **polyoxyethylene** methacrylate (III) [69866-26-8] (**polyoxyethylene** segment mol. wt. **660**) and 0.2% (NH4)2S2O8, pressed to 80% pickup, cured at 105.degree. in steam for 3 min, soaped in 0.2% Na2CO3-0.1% Sanded G 900 at 50.degree. for 15 min, water-washed, dried, washed in 2% neutral detergent at 40.degree. for 10 min, water-washed, dried, and washed 4 more times. The amt. of III on the fabric was 1.2% initially and 0.8% after 5 washes. The time required for absorption of 0.03 mL water dropped from a 5 cm height was 1 s initially and 3 s after 5 washes. The friction static potential against cotton cloth at 20.degree. and 40% relative humidity (Kyoto Univ., Chem. Inst.) was 250 V initially and 970 V after 5 washes (4350 V and 5800 V for the scoured fabric).

ACCESSION NUMBER: 1979:205736 CAPLUS
DOCUMENT NUMBER: 90:205736
TITLE: Hydrophilization agent
INVENTOR(S): Okuda, Akira; Kosaka, Giichi; Ito, Shinya
PATENT ASSIGNEE(S): Toray Industries, Inc., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

JP 53144478 A2 19781215 JP 1977-58742 19770523
JP 59007827 B4 19840221

L6 ANSWER 10 OF 16 BIOSIS COPYRIGHT 2000 BIOSIS
AB The effect of autoclaving on the stability of emulsions with different oil phases and different non-ionic surfactants was evaluated in order to develop a stable formulation. The effect of heating on the physicochemical properties during the autoclaving was determined by the changes in the emulsion droplet size. It was found that a combination of non-ionic copolymer surfactant (F68) with an oil phase mixture consisting of castor oil with either soybean oil or middle-chain triglycerides (MCT) 1:1 w/w yielded fine emulsions with particle sizes ranging from 120 to 140 nm. These emulsions did not show significant changes in their droplet sizes upon autoclaving and showed a good stability both in the presence of Ca2+ ions and at different pH values (5-9). In contrast to F68, emulsions prepared using other non-ionic emulsifiers as PEG-sorbitan monooleate (Tween 80), **polyoxyethylene-660**-hydroxystearate (Solutol H15) and **polyoxyethylene**-35-ricinoleate (Cremophor EL) showed an increase in droplet size upon autoclaving. The results could be explained on the basis of high cloud point of F68 resulting in more resistance against dehydration during autoclaving and subsequently no emulsifier damage. Due to the influence of castor oil on the interfacial tension it can act additionally as a co-surfactant. These factors avoid the flocculation of the emulsifier and can hinder the coalescence of the oil droplets during the autoclaving process.
ACCESSION NUMBER: 1999:646 BIOSIS
DOCUMENT NUMBER: PREV199900000646
TITLE: The stabilization of parenteral fat emulsion using non-ionic ABA copolymer surfactant.
AUTHOR(S): Jumaa, Muhannad; Mueller, Bernd W. (1)
CORPORATE SOURCE: (1) Dep. Pharmaceutics Biopharmaceutics Christian Albrecht Univ., Gutenbergstr. 76, D-24118 Kiel Germany
SOURCE: International Journal of Pharmaceutics (Amsterdam), (Nov. 15, 1998) Vol. 174, No. 1-2, pp. 29-37. ISSN: 0378-5173.
DOCUMENT TYPE: Article
LANGUAGE: English

L6 ANSWER 11 OF 16 BIOTECHDS COPYRIGHT 2000 DERWENT INFORMATION LTD
AN 1995-12918 BIOTECHDS
AB Pseudomonas sp. APE6 (FERM P-13870), which degrades **polyoxyethylene** nonylphenol ether (APE), is claimed. Also claimed is an application of the microbe, in which Pseudomonas sp. APE6 is cultured in a waste-water treating system containing APE for efficient removal of APE. In an example, 100-10,000 ppm APE was dissolved in 1 l distilled water, together with 100 mg meat extract, 500 mg dipotassium hydrogen phosphate, **660** ppm ammonium dihydrogen phosphate, 25 mg NaCl, 25 mg Ca chloride dihydrate, 25 mg Mg sulfate heptahydrate and 5 mg Fe chloride hexahydrate. The solution was adjusted to a pH of 7.0 with NaOH or HCl and 100 ml was subsequently sterilized at 120 deg for 20 min. Pseudomonas sp APE6 was inoculated into the solution and cultured at 22 deg for 24 hrs and the culture (1 ml) was subcultured a further 2 times. The degradation rate of APE was 93.8% at an APE concentration of 100 ppm, and 79.8% at an APE concentration of 2,000 ppm. (6pp)
ACCESSION NUMBER: 1995-12918 BIOTECHDS
TITLE: A microbe decomposing polyoxyethylene nonylphenol ether and an application thereof;
polyoxyethylene nonylphenol ether surfactant degradation by Pseudomonas sp. for waste-water treatment
PATENT ASSIGNEE: Shikoku-Chem.

PATENT INFO: JP 07155173 20 Jun 1995
APPLICATION INFO: JP 1993-339534 2 Dec 1993
PRIORITY INFO: JP 1993-339534 2 Dec 1993
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
OTHER SOURCE: WPI: 1995-271333 [36]

L6 ANSWER 12 OF 16 BIOTECHDS COPYRIGHT 2000 DERWENT INFORMATION LTD
AN 1994-11339 BIOTECHDS
AB A new strain, Pseudomonas sp. AES053 (FERM P-13230) degrades **polyoxyethylene** lauryl ether sulfate (AES) in a waste-water treatment system, and decreases its concentration. The strain is a Gram-negative single-rod-forming aerobic, and is non-sporogenic. In an example, strain AES053 was grown in culture medium containing 200 mg/l AES, 100 mg/l meat extract, 500 mg/l K2HPO4, **660** mg/l NH4H2PO4, 25 mg/l NaCl, 25 mg/l CaCl2.2H2O, 25 mg/l MgSO4.7H2O and 5 mg/l FeCl3.6H2O at 22 deg for 4 days. The concentration of AES decreased over time, and after 96 hr 89.2% of the AES was degraded. In the absence of AES053, the AES was not completely degraded. When synthetic waste-water containing 20-50 ppm AES was treated with AES053, AES was removed completely. (6pp)
ACCESSION NUMBER: 1994-11339 BIOTECHDS
TITLE: Polyoxyethylene lauryl ether sulfate degradation; surfactant degradation using Pseudomonas sp.
PATENT ASSIGNEE: Shikoku-Chem.
PATENT INFO: JP 06153921 3 Jun 1994
APPLICATION INFO: JP 1992-339792 25 Nov 1992
PRIORITY INFO: JP 1992-339792 25 Nov 1992
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
OTHER SOURCE: WPI: 1994-220488 [27]

L6 ANSWER 13 OF 16 BIOTECHDS COPYRIGHT 2000 DERWENT INFORMATION LTD
AN 1994-11337 BIOTECHDS
AB A new strain, Alcaligenes sp. AE104 (FERM P-13228) degrades **polyoxyethylene** nonionic surfactants. The strain is Gram-negative, catalase (EC-1.11.1.6)-positive, oxidase-positive, produces no acids from sugars and is motile. The strain grows well at pH 7 and 22-28 deg. Addition of a trace of organic nutrients accelerates growth. The strain easily degrades acid-and alkali-resistant **polyoxyethylene** nonionic surfactants, particularly **polyoxyethylene** lauryl ether, which causes foaming, sludge collapse or bulking in equipment for treatment of industrial or domestic waste-water, particularly in activated sludge. The strain should be used together with CaCl2, MgCl2 or FeCl2 for surfactant degradation. In an example, a culture medium containing 200 mg/l **polyoxyethylene** lauryl ether, 100 mg/l meat extract, 500 mg/l K2HPO4, **660** mg/l NH4H2PO4, 25 mg/l NaCl, 25 mg/l CaCl2.2H2O, 25 mg/l MgSO4.7H2O and 5 mg/l FeCl3.6H2O, pH 7.0, was inoculated with AE104 and incubated at 22 deg for 3 days with agitation. After 24, 48 and 72 hr, the surfactant was degraded 97.8, 97.9 and 99.4%, respectively. (5pp)
ACCESSION NUMBER: 1994-11337 BIOTECHDS
TITLE: Polyoxyethylene lauryl ether degradation; surfactant degradation using Alcaligenes sp.
PATENT ASSIGNEE: Shikoku-Chem.
PATENT INFO: JP 06153919 3 Jun 1994
APPLICATION INFO: JP 1992-339790 25 Nov 1992
PRIORITY INFO: JP 1992-339790 25 Nov 1992
DOCUMENT TYPE: Patent
LANGUAGE: Japanese

OTHER SOURCE: WPI: 1994-220486 [27]

=> s beta-carotene or beta (s) carotene?

7 FILES SEARCHED...
L10 43161 BETA-CAROTENE OR BETA (S) CAROTENE?

=> d his

(FILE 'HOME' ENTERED AT 14:00:18 ON 31 OCT 2000)

FILE 'REGISTRY' ENTERED AT 14:00:27 ON 31 OCT 2000
L1 0 S POLYOXYETHYLENE-660-HYDROXYSTEARATE

FILE 'MEDLINE, CAPLUS, BIOSIS, BIOTECHDS, EMBASE, CANCERLIT, TOXLINE, AGRICOLA, SCISEARCH' ENTERED AT 14:01:43 ON 31 OCT 2000
L2 16 S POLYOXYETHYLENE (S) 660

FILE 'MEDLINE, CAPLUS, BIOSIS, BIOTECHDS, EMBASE, CANCERLIT, TOXLINE, AGRICOLA, SCISEARCH' ENTERED AT 14:22:36 ON 31 OCT 2000
L3 2573 S POLYETHYLENE (S) 660 OR ISOPROPYL (S) MYRISTATE?
L4 116 S POLYETHYLENE (S) 660

FILE 'REGISTRY' ENTERED AT 14:24:24 ON 31 OCT 2000
L5 0 S POLYOXYETHYLEN (S) 660

FILE 'MEDLINE, CAPLUS, BIOSIS, BIOTECHDS, EMBASE, CANCERLIT, TOXLINE, AGRICOLA, SCISEARCH' ENTERED AT 14:24:58 ON 31 OCT 2000
L6 16 S POLYOXYETHYLENE (S) 660
L7 2457 S ISOPROPYL (S) MYRISTATE
L8 1 S L6 AND L7
L9 13 DUP REM L6 (3 DUPLICATES REMOVED)
L10 43161 S BETA-CAROTENE OR BETA (S) CAROTENE?

=> s l10 and l7

L11 5 L10 AND L7

=> dup rem l11

PROCESSING COMPLETED FOR L11
L12 5 DUP REM L11 (0 DUPLICATES REMOVED)

=> d l11 abs ibib 1-5

L11 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2000 ACS
AB A formulation comprises mol. arrangements capable of penetrating pores in a barrier, owing to penetrant adaptability, despite the fact that the av. diam. of the pores is smaller than the av. penetrant diam., provided that the penetrants can transport agents or cause permeation through the pores after penetrants have entered pores. The formulation comprises at least 1 consistency builder in an amt. that increases the formulation to maximally 5 Nm/s so that spreading over is enabled. The formulation also contains 1 antioxidant in an amt. that reduces the increase of oxidn. index to <100% per 6 mo and/or at least 1 microbicide in an amt. that reduces the bacterial count of 1 million germs added/g of total mass of the formulation to <100 in the case of aerobic bacteria, to <10 in the case of entero-bacteria, and to <1 in the case of Pseudomonas aeruginosa or

Staphilococcus aureus, after a period of 4 days. Thus, a compn. contained soybean phosphatidylcholine 347, Tween-80 623, sodium dodecyl sulfate 30, benzyl alc. 50, clobetasol 17-propionate 25 and pH 6.5 50 mM phosphate buffer 9000 mg.

ACCESSION NUMBER: 2000:456858 CAPLUS
DOCUMENT NUMBER: 133:94512
TITLE: Improved formulation for topical non-invasive application in vivo
INVENTOR(S): Cevc, Gregor
PATENT ASSIGNEE(S): Idea Innovative Dermale Applikationen G.m.b.H., Germany
SOURCE: PCT Int. Appl., 73 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000038653	A1	20000706	WO 1998-EP8421	19981223
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 9925137	A1	20000731	AU 1999-25137	19981223
PRIORITY APPLN. INFO.:			WO 1998-EP8421	19981223

OTHER SOURCE(S): MARPAT 133:94512
REFERENCE COUNT: 3
REFERENCE(S):
(1) Cevc Gregor; WO 9203122 A 1992
(2) Cevc Gregor; DE 4447287 C 1996
(3) Nikko Chemicals; EP 0220797 A 1987

L11 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2000 ACS
AB A nutritive cosmetic cream comprises 1-3% water-sol. atomized hydrolyzed collagen (MW 3000-5000), 1-4% karite butter, 0.05-0.15% vitamin A, 0.01-0.05% .**beta**.-**carotene**, 0.01-0.1% vitamin E, 2-6% anhyd. lanolin, 2-5% iso-Pr myristate, 4-8% vegetable oil, 2-5% cetyl alc., 2-6% stearic acid, 0.2-0.5% preservative, 0.2-0.6% triethanolamine, 0.2-0.4% perfume, with dist. water to 100% by wt.

ACCESSION NUMBER: 2000:455387 CAPLUS
DOCUMENT NUMBER: 133:48705
TITLE: Nutritive cosmetic cream
INVENTOR(S): Caloianu, Maria; Valsanescu, Theodora; Ndao, Ndieme; Iordachel, Radu; Iordachel, Catalin; Teoaca, Nela
PATENT ASSIGNEE(S): Institutul National de Cercetare-Dezvoltare pentru Stiinte Biologice, Bucuresti, Rom.
SOURCE: Rom., 3 pp.
CODEN: RUXXA3
DOCUMENT TYPE: Patent
LANGUAGE: Romanian
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
RO 113211	B1	19980529	RO 1997-728	19970415

L11 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2000 ACS
AB The present invention relates to a stable aq. prepn. contg. .**beta**

.-**carotene**, esp. for veterinary uses and a method for prepg. the same. An aq. prepn. of .**beta**.-**carotene** for non-oral administration is obtained by (1) prepg. a transparent soln. contg. polyoxyethylene-660-hydroxystearate 10-40, iso-Pr myristate 5-20, and water for injection q.s. to 100 %, (2) solubilizing .**beta**.-**carotene** to the above soln. to the final concn. of 0.1-10 % at 100-140.degree., (3) adding antioxidants and preservatives, and (4) filter-sterilization of the soln. and packaging it.

ACCESSION NUMBER: 2000:427973 CAPLUS
DOCUMENT NUMBER: 133:63965
TITLE: Aqueous compositions containing .**beta**.-**carotene**
INVENTOR(S): Berner, Josef Frantzits
PATENT ASSIGNEE(S): Sanochemia Pharmazeutika A.-G., Austria
SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000178187	A2	20000627	JP 1999-338225	19991129
EP 1016404	A1	20000705	EP 1999-890013	19990122
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
PRIORITY APPLN. INFO.:			AT 1998-2092	19981215

L11 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2000 ACS
AB Gas and gaseous precursor filled microspheres, and foams provide novel topical and s.c. delivery vehicles for various active ingredients, including drugs and cosmetics. Gas and gaseous precursor filled microcapsules were prepd. from dipalmitoylphosphatidylcholine.

ACCESSION NUMBER: 1998:207280 CAPLUS
DOCUMENT NUMBER: 128:275101
TITLE: Gas and gaseous precursor filled microspheres as topical and subcutaneous delivery vehicles
INVENTOR(S): Unger, Evan C.; Matsunaga, Terry O.; Yellowhair, David
PATENT ASSIGNEE(S): Imarx Pharmaceutical Corp., USA
SOURCE: U.S., 40 pp. Cont.-in-part of U.S. Ser. No. 307,305.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 19
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5733572	A	19980331	US 1994-346426	19941129
US 5088499	A	19920218	US 1990-569828	19900820
WO 9109629	A1	19910711	WO 1990-US7500	19901219
W: CA, JP				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, NL, SE				
JP 05502675	T2	19930513	JP 1991-503276	19901219
AT 180170	E	19990615	AT 1991-902857	19901219
ES 2131051	T3	19990716	ES 1991-902857	19901219
US 5228446	A	19930720	US 1991-717084	19910618
WO 9222247	A1	19921223	WO 1992-US2615	19920331
W: AU, CA, JP				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, MC, NL, SE				
AU 9220020	A1	19930112	AU 1992-20020	19920331
AU 667471	B2	19960328		
JP 06508364	T2	19940922	JP 1992-500847	19920331

EP 616508	A1	19940928	EP 1992-912456	19920331
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, MC, NL, SE				
US 5469854	A	19951128	US 1993-76239	19930611
US 5580575	A	19961203	US 1993-76250	19930611
US 5348016	A	19940920	US 1993-88268	19930707
US 5542935	A	19960806	US 1993-160232	19931130
US 5585112	A	19961217	US 1993-159687	19931130
US 5769080	A	19980623	US 1994-199462	19940222
WO 9428874	A1	19941222	WO 1994-US5633	19940519
W: AU, CA, CN, JP				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
US 5773024	A	19980630	US 1994-307305	19940916
CA 2177713	AA	19950608	CA 1994-2177713	19941130
JP 09506098	T2	19970617	JP 1994-515763	19941130
US 5571497	A	19961105	US 1995-468056	19950606
CN 1180310	A	19980429	CN 1996-193069	19960327
US 6001335	A	19991214	US 1996-665719	19960618
US 5935553	A	19990810	US 1996-758179	19961125
US 5985246	A	19991116	US 1997-888426	19970708
AU 713127	B2	19991125	AU 1998-56271	19980224
AU 9856271	A1	19980507		
AU 9888405	A1	19981203	AU 1998-88405	19981012
AU 9910043	A1	19990304	AU 1999-10043	19990104
PRIORITY APPLN. INFO.:			US 1989-455707	19891222
			US 1990-569828	19900820
			US 1991-716899	19910618
			US 1991-717084	19910618
			US 1993-76239	19930611
			US 1993-76250	19930611
			US 1993-159674	19931130
			US 1993-159687	19931130
			US 1993-160232	19931130
			US 1994-307305	19940916
			WO 1990-US7500	19901219
			US 1991-750877	19910826
			US 1992-818069	19920108
			WO 1992-US2615	19920331
			US 1992-967974	19921027
			US 1993-17683	19930212
			US 1993-18112	19930217
			US 1993-85608	19930630
			US 1993-88268	19930707
			US 1993-309305	19931130
			US 1993-163039	19931206
			US 1994-212553	19940311
			AU 1994-70416	19940519
			US 1994-346426	19941129
			AU 1995-21850	19941130
			WO 1994-US13817	19941130
			US 1995-395683	19950228
			US 1995-468056	19950606
			US 1995-471250	19950606
			US 1996-665719	19960618

L11 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2000 ACS

AB Gonads from Strongylocentrotus lividus (sea urchin) was extd. by the Lederer method with glycol-glycerol to prep. a hydrophilic ext., and with **isopropyl myristate** to prep. a lipophilic ext. One part of ext. (A) was obtained from 5 parts animal matter. Provitamin A as .alpha. and **.beta. carotenes** (20 ppm), vitamin A (1,000,000 IU/kg ext.), echinenone, pentaxanthine (20 ppm), sterols, trace of org. iodine, amino groups, and trace elements were assayed and detected in A. Bioactivating capacity was assayed by the Chiasserini method, and

cosmetol. examn. was carried out by testing a 3% semifluid cream of lipophilic A for its skin safety, orthodermal properties, and action by face massage on 25 to 45-year-old women. Fluorescent and Wood light examn. as well as direct control on face half-portions of women showed that A clearly improved skin aspect and properties compared with the untreated face half-portion after 6 alternateday applications.

ACCESSION NUMBER: 1971:467382 CAPLUS
DOCUMENT NUMBER: 75:67382
TITLE: Cutaneous bioactivating effect of gonadic extracts from sea urchins
AUTHOR(S): Colombo, Enrico; Rovesti, Paolo
CORPORATE SOURCE: Cent. Internazl. Ric. Biocosmet., Milan, Italy
SOURCE: Riv. Ital. Essenze, Profumi, Piante Offic., Aromi, Saponi, Cosmet., Aerosol (1971), 52(1), 30-2
CODEN: RIPOAM
DOCUMENT TYPE: Journal
LANGUAGE: Italian